



(12) **United States Patent**  
**Zhu et al.**

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(54) **SYSTEM AND METHOD FOR PREDICTING BEHAVIORS OF DETECTED OBJECTS**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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**Related U.S. Application Data**

(63) Continuation of application No. 13/251,705, filed on Oct. 3, 2011, now Pat. No. 8,660,734.

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CPC ..... **G05D 1/021** (2013.01); **G05D 1/214** (2013.01); **B60W 30/186** (2013.01); **B60W 2550/14** (2013.01); **B60W 2550/22** (2013.01); **G05D 1/024** (2013.01); **G05D 1/0246** (2013.01); **G05D 1/0257** (2013.01); **G05D**

(57) **ABSTRACT**

Aspects of the invention relate generally to autonomous vehicles. Specifically, the features described may be used alone or in combination in order to improve the safety, use, driver experience, and performance of these vehicles.

**20 Claims, 9 Drawing Sheets**

